IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Kirill Ostanin, et al.

Serial No.: Not Assigned

Filed: December 1, 2003

For: CELL SURFACE PROTEINS AND USE
THEREOF AS INDICATORS OF ACTIVATION OF
CELLULAR SIGNAL TRANSDUCTION PATHWAYS

Attorney Docket No.: 50370-60409CON

Examiner: Li, Ruixiang

Group Art Unit: 1646

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

CERTIFICATION UNDER 37 CFR 1.10								
Date of Deposit: December 1, 2003	Mailing Label Number: EV 342589657 US							
I hereby certify that this 37 CFR 1.53(b) request and the deposited with the United States Postal Service on the da Office to Addressee" service under 37 CFR 1.10 and add Alexandria, VA 22313-1450 Peter C. Lauro, Esq.	ate indicated above in an envelope as "Express Mail Post							
Name of Person Mailing Paper	Signature of Person Signing							

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants and their attorney are aware of the following publications and information, listed on the attached PTO Form 1449, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration. This application is a continuation application of application serial number 09/658,765, filed September 8, 2000, (the parent application) to which the instant application claims priority pursuant to 35 U.S.C. §120. The references cited on the enclosed PTO Form 1449 were cited in an Information Disclosure

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Statement that was filed in the parent application on April 27, 2001 and that met the

requirements of 37 C.F.R. 1.98(a)-(c). Accordingly, pursuant to 37 C.F.R. 1.98(d).

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Under 37 CFR § 1.97(b)(1), no additional costs are believed to be due in connection with the filing of this disclosure. Nevertheless, please charge any required fee or credit any overpayment to our Deposit Order Account No. 04-1105.

Respectfully submitted,

EDWARDS & ANGELL, LLP

Peter C. Lauro, Esq. Registration No. 32,360 Attorney for Applicants

101 Federal Street Boston, MA 02110 (617) 227-7400

Date: December 1, 2003

PCL/thl Enclosures

			Sheet 1 of 11
APPLICANT FACSIMILE OF FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	ATTY DOCKET NO	SERIAL NO.
REV 7-80	PATENT AND TRADEMARK OFFICE	50370-60409CON	N t Assigned
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	A1	4,948,874	08/90	Kronvall et al.	350	350	
	A2	5,096,815	03/92	Ladner et al.	435	69.1	
_	А3	5,283,173	02/94	Fields et al.	435	6	

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<u> </u>	A4	WO 88/10308	12/88	PCT			YES	NO
	A5	WO 91/12273	08/91	PCT	 			
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A16	Brill, Julie A. et al. "A Role for Autophosphorylation Revealed by Activated Alleles of FUS3, the Yeast MAP Kinase Homolog," Molecular Biology of the Cell 5:297-312 (1994)
A17	Brugarolas, James et al. "Radiation-induced cell cycle arrest compromised by p21 deficiency," Nature 377:522-57 (1995)
A18	Burack, W. Richard et al. "The Activating Dual Phosphorylation of MAPK by MEK Is Nonprocessive," <i>Biochemistry</i> 36(20):5929-5933 (1997)
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	B2	5,436,128	07/95	Howald of al			
		3,430,128	0//95	Harpold et al.	435	6	
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84	WO 92/08740	05/92	PCT			YES	NO
B5	WO 93/10230	05/93	PCT	<u> </u>			
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B8	Chambers, D. A. et al. "Neuroimmune Modulation: Signal Tranduction and Catecholamines," Neurochem. Int. 22(2):95-110 (1993)
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B15	Conklin, Bruce R. et al. "Substitution of three amino acids switches receptor specificity of $G_{q\alpha}$ to that of $G_{l\alpha}$," <i>Nature</i> 363:274-76 (1993)
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B17	Devlin, James J. et al. "Random Peptide Libraries: A Source of Specific Protein Binding Molecules," <i>Science</i> 249:404-6 (1990)
B18	Dietzel, Christine and Kurjan, Janet "The Yeast SCG1 Gene: A Gα-like Protein Implicated in the a- and α-Factor Response Pathway," <i>Cell</i> 50:1001-10 (1987)
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-	C1	5,580,736	12/96	Brent et al.	435	6	
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C4	WO 95/30012	11/95	PCT				
C5	WO 97/11159	03/97	PCT	<u> </u>			
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C8	Dolan, J. W. et al. "Overproduction of the yeast STE12 protein leads to constitutive transcriptional induction," <i>Genes & Development</i> 4(4):492-502 (1990)
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C15	Fields, Stanley and Song Ok-kyu "A novel genetic system to detect protein-protein interactions," Nature 340:245-46 (1989)
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C17	Funaro, Ana et al. "Human CD38 is associated to distinct molecules which mediate transmembrane signaling in different lineages," Eur. J. Immunol. 23:2407-11 (1993)
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D13	He, Bin et al. "RAM2, an essential gene of yeast, and RAM1 encode the two polyeptide components of the farnesyltransferase that prenylates a-actor and Ras proteins," Proc. Natl. Acad. Sci. USA 88:11373-77 (1991)			
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F3	Koff, Andrew et al. "Human Cyclin E, a New Cyclin That Interacts with Two Members of the CDC2 Gene Family," Cell 66:1217-28 (1991)
F4	Kosugi, Shinji et al. "Characterization of heterogeneous mutations causing constitutive activation of the luteinizing hormone receptor in familial male precocious puberty," <i>Human Molecular Genetics</i> 4(2):183-88 (1995)
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F13	Lemire, Bernard D. et al. "The Mitochondrial Targeting Function of Randomly Generated Peptide Sequences Correlates with Predicted Helical Amphiphilicity," <i>J. Biol. Chem.</i> 264(34):20206-12 (1989)
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